

L Number	Hits	Search Text	DB	Time stamp
-	157	257/144	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2002/05/02 11:36
-	247	257/152	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/08 10:54
-	172	257/163	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/08 10:54
-	117	257/164	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/08 10:54
-	76	257/165	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/08 10:54
-	616	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19980717	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/10 12:46
-	4	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19980717) and (selenium or sulfur)	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/08 12:10
-	616	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19980717	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/08 13:49
-	576	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19970717	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/10 13:54
-	169	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19970717) and (stop\$5 or buffer\$3 or phosphor\$2 or arsenic)	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/10 14:39
-	5	stop\$4 adj2 buffer and thyristor\$1	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/10 14:39
-	25	((257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and @pd<19970717) and (stop\$5 or buffer\$3) and (phosphor\$2 or arsenic)	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/10 15:00
-	5	energy adj level\$1 near (phosphorus or arsenic or selenium or sulfur) near dop\$4	USPAT; US-PGPUB; EPQ; JPO; DEPWENT; IBM_TLB	2001/06/10 15:47

-	1	ionization adj; energy near (phosphorus or arsenic or selenium or sulfur) near dop\$4	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 16:44
-	292	(sulfur with selenium) and 257/\$3.ccls.	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/11 07:40
-	57	(sulfur with selenium) and 257 \$3.ccls. and emitter\$1	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 16:49
-	89	(sulfur with selenium) and 257 \$3.ccls. and band adj gap	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 16:50
-	14	((sulfur with selenium) and 257/\$3.ccls. and emitter\$1) and ((sulfur with selenium) and 257/\$3.ccls. and band adj gap)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 16:54
-	4	((((sulfur with selenium) and 257/\$3.ccls. and emitter\$1) and ((sulfur with selenium) and 257/\$3.ccls. and band adj gap)) and dopant and (buffer or stop\$4)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/11 07:34
-	2	ionization adj; energ\$2 with sulfur with (dopant or impurit\$3 or foreign)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 17:07
-	37	dopant and (selenium or sulfur) and emitter and (buffer adj layer or stop\$4 adj zone)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 17:59
-	0	(buffer adj layer or stop\$4 adj zone) same dopant same (selenium or sulfur) same ionization adj; energ\$3	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 18:01
-	0	(buffer adj layer or stop\$4 adj zone) same (selenium or sulfur) same ionization adj; energ\$3	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 18:01
-	3	(dopant or impurit\$3) same (selenium or sulfur) same ionization adj; energ\$3	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 18:00
-	7	buffer adj layer with dopant with (sulfur or selenium)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 18:26
-	0	stop adj zone with dopant with (sulfur or selenium)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 18:26
-	7	((sulfur with selenium with dopant) and 257/\$3.ccls. and emitter\$1) and ((257/\$3.ccls. and band adj gap)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2001/06/10 18:56

-	44720	ionization energ\$3 with sulfur with selenium	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 07:42
-	44672	ionization energ\$3 with sulfur with selenium with dopant\$1	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 07:42
-	1	ionization adj energ\$3 with sulfur with selenium with dopant\$1	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 07:42
-	2	5574297.pn.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 07:53
-	2	5353220.pn.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 08:02
-	3	5528058.pn.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 08:03
-	1686	dopant with phosphorus with type	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 08:04
-	1454	dopant with phosphorus with n adj2 type	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 08:07
-	205	dopant with phosphorus with n+	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 08:10
-	151	((dopant with phosphorus with n+) and 3pd419970717	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2001/06/11 08:11
-	738	257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2002/01/26 19:34
-	1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((stop adj zone near15 active) near15 (off-state or off adj state))	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2002/01/26 19:39
-	1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((stop\$4 adj zone near15 active) near15 (off-state or off adj state))	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2002/01/26 19:41
-	1	(257/110 or 257/144 or 257/152 or 257/163 or 257/164 or 257/165) and ((zone near15 active) near15 (off-state or off adj state))	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TTB	2002/01/26 19:11

-	3 5528058.pn.	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 15:26
-	3 5367130.pn.	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 12:44
-	0 stop\$4 adj zone same dopant same ON-state or OFF-state or "on state" or "off state")	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 12:48
-	31 dopant near12 ionization adj energy	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 12:58
-	5 (igt or mct).ti,ab. and ((dopant or impurity or impurities) near12 (indium or tellurium))	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 13:11
-	9 semiconductor.ti,ab. and ((dopant or impurity or impurities) same (indium or tellurium) same ionization)	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 14:21
-	0 ((sulfur or selenium) near12 "on-state voltage") same (dopant or impurit\$3)) and semiconductor.ti,ab.	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 14:23
-	5 ((sulfur or selenium) near12 ("on-state" or voltage) same (dopant or impurit\$3)) and semiconductor.ti,ab.	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 14:27
-	0 ((sulfur or selenium) near12 (ionization adj (energy or potential)) near12 (impurit\$2 or dop\$3)) same ((on-state or on adj state) adj2 voltage)	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 14:31
-	2 ((sulfur or selenium) near12 (ionization adj (energy or potential)) near12 (impurit\$3 or dop\$2))	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 14:46
-	0 ((selenium or sulfur) near12 on-state adj voltage) and (thyristor or mct or igt).ti,ab.	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 14:48
-	35 ((selenium or sulfur) and (thyristor or mct or igt).ti,ab.	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 14:48
-	2 ((selenium or sulfur) same (dopant or impurit\$3)) and (thyristor or mct or igt).ti,ab.	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 14:49
-	40 ((blocking or stop\$4) adj2 (zone or layer) same emitter) and thyristor.ti,ab.	USPAT; US-PGPUB; EPC; JPO; DEFWENT; IBM_TDB	2002/01/27 15:28

-	13 ((blocking or stop\$4) adj2 (zone or layer) same emitter) same voltage and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	0 ((blocking or stop\$4) adj2 (zone or layer) same emitter) same voltage same on-state) and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	0 ((blocking or stop\$4) adj2 (zone or layer) same emitter) same voltage same "on") and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	5 ((blocking or stop\$4) adj2 (zone or layer) same emitter) same voltage) and thyristor.ti,ab. and power	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	1 ((blocking or stop\$4) adj2 (zone or layer) same emitter) same voltage) and thyristor.ti,ab. and power and (dopant or impurity\$3)	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	3 5710445.pn.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	1 ((selenium or sulfur) near12 (dopant or impurity)) and thyristor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	0 ((selenium or sulfur) near12 ionization adj (potential or energy)) and thyristor	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	0 ((selenium or sulfur) near12 ionization adj (potential or energy)) and barrier adj layer	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	20 ((selenium or sulfur) near12 ionization adj (potential or energy)	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 15:39
-	2 ((selenium or sulfur) near12 ionization adj (potential or energy) and semiconductor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 16:00
-	1 ((selenium or sulfur) near12 ionization adj (potential or energy) and (light or thyristor or mosfet) and semiconductor.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 16:04
-	2 ((selenium or sulfur) near12 ionization adj (potential or energy) and (light or thyristor or mosfet or semiconductor).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 16:05
-	27 ((selenium or sulfur) near12 (barrier adj layer)) and (light or thyristor or mosfet or semiconductor).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DEPWENT; IBM_TLB	2002/01/27 16:06

-	9 ((selenium or sulfur) near5 (barrier adj layer)) and (light or thyristor or mosfet or semiconductor).ti,ab.	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:11
-	0 ((selenium or sulfur) near5 (barrier adj layer)) and (light or mosfet or semiconductor).ti,ab. and thyristor.ti.	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:09
-	0 ((selenium or sulfur) near5 (barrier adj layer)) and thyristor.ti.	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:08
-	0 ((selenium or sulfur) near5 (barrier adj layer)) and thyristor.ti,ab.	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:09
-	0 ((selenium or sulfur) near5 (barrier adj layer)) and (mct or thyristor or light).ti,ab.	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:09
-	1 ((selenium or sulfur) near5 (dopant or impurity) near5 (barrier adj layer))	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:12
-	0 ((selenium or sulfur) near5 (dopant or impurity) near5 (barrier adj layer)) and silicon adj substrate	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:13
-	71 ((selenium or sulfur) near5 (dopant or impurity)) and silicon adj substrate	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:14
-	3 ((selenium or sulfur) near5 (dopant or impurity)) and ionization adj (energy or potential) and silicon adj substrate	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:14
-	15 (low-noise or low adj noise) adj2 semiconductor and power adj2 semiconductor	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:16
-	33 ((low-noise or low adj noise) near5 power) near5 semiconductor).ti,ab.	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:16
-	0 ((low-noise or low adj noise) near5 power) near5 semiconductor).ti,ab. and thyristor	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:16
-	3 ((low-noise or low adj noise) near5 power) near5 semiconductor adj device).ti,ab.	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 16:19
-	25 ((low-noise or low adj noise) near5 power).ti,ab. and 257/\$6.cols.	USPAT; US-PGPUB; EPD; JPD; DERWENT; IBM_TDB	2002/01/27 17:05

-	2 (low-noise or low adj noise) near5 power), bi, ab, and 257/96.ccls. and (thyristor or igtb or insulated gate adj bipolar adj transistor or mct)	USPAT;	2002/05/02
		US-PGPUB;	13:24
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	2 gp-021055790-\$.did.	USPAT;	2002/01/27
		US-PGPUB;	17:04
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	458 stop adj zone	USPAT;	2002/05/01
		US-PGPUB;	16:34
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	2 (stop adj zone) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)	USPAT;	2002/05/01
		US-PGPUB;	16:34
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	586 ((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.	USPAT;	2002/05/01
		US-PGPUB;	20:34
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	60 buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.)	USPAT;	2002/05/01
		US-PGPUB;	17:19
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	29 (buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.) and (sulfur or s or selenium or se)	USPAT;	2002/05/01
		US-PGPUB;	17:20
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	0 (buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.) and (sulfur or s or selenium or se) and (buffer near12 (selenium or se or s or sulfur))	USPAT;	2002/05/01
		US-PGPUB;	17:21
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	3 (buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.) and (sulfur or s or selenium or se) and (buffer same (selenium or se or s or sulfur))	USPAT;	2002/05/01
		US-PGPUB;	17:25
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	0 (buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.) and (sulfur or s or selenium or se) and (buffer same (selenium or se or sulfur))	USPAT;	2002/05/01
		US-PGPUB;	17:25
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	0 (buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.) and (sulfur or s or selenium or se) and ((buffer near15 (imp33 or impur133) same ioniz35)	USPAT;	2002/05/01
		US-PGPUB;	17:27
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	0 (buffer adj (layer or film) and (((257/110) or (257/144) or (257/152) or (257/163) or (257/164) or (257/165)).CCLS.) and (sulfur or s or selenium or se) and ((buffer near15 (selenium or sulfur)))	USPAT;	2002/05/01
		US-PGPUB;	17:28
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	

77 (US-4717940-\$ or US-4760431-\$ or
 US-RE32794-\$ or US-485199-\$ or
 US-4914496-\$ or US-4963973-\$ or
 US-5005211-\$ or US-5068704-\$ or
 US-5481016-\$ or US-5401991-\$ or
 US-5419463-\$ or US-5444371-\$ or
 US-5444272-\$ or US-5441141-\$ or
 US-5477264-\$ or US-5496793-\$ or
 US-5499984-\$ or US-5515416-\$ or
 US-5529089-\$ or US-5543639-\$ or
 US-5569941-\$ or US-5610415-\$ or
 US-5637999-\$ or US-5644150-\$ or
 US-5659191-\$ or US-5691766-\$).did. or
 (US-5124772-\$ or US-5203750-\$ or
 US-5212431-\$ or US-5248202-\$ or
 US-5283054-\$ or US-5304921-\$ or
 US-5304930-\$ or US-5336907-\$ or
 US-5366477-\$ or US-5371395-\$ or
 US-5379993-\$ or US-5461314-\$ or
 US-5479966-\$ or US-5484706-\$ or
 US-5705835-\$ or US-5710445-\$ or
 US-5719413-\$ or US-5793066-\$ or
 US-5796124-\$ or US-5844358-\$ or
 US-5894149-\$ or US-5913055-\$ or
 US-5936267-\$ or US-6020623-\$ or
 US-6154728-\$ or US-RE36919-\$ or
 US-6107649-\$).did. or (US-6111278-\$ or
 US-6111290-\$ or US-6169299-\$ or
 US-6199115-\$ or US-6218217-\$ or
 US-6271545-\$ or US-6278140-\$ or
 US-6213485-\$ or US-4032958-\$ or
 US-4053921-\$ or US-4063042-\$ or
 US-3337792-\$ or US-3470936-\$).did. or
 (US-25516005024-\$ or
 US-23020024056-\$).did. or (JP-06061479-\$
 or JP-06151825-\$ or JP-01270352-\$ or
 JP-01296370-\$ or JP-03070176-\$ or
 JP-03116874-\$ or JP-04210775-\$ or
 JP-04317375-\$ or JP-04377875-\$).did.

USPAT; 2002/05/02
 US-PGPUB; 11:40
 JPO

2 ((US-4717940-\$ or US-4760431-\$ or
 US-RE32734-\$ or US-4851199-\$ or
 US-4914496-\$ or US-4963171-\$ or
 US-5065211-\$ or US-5068714-\$ or
 US-5391025-\$ or US-5401751-\$ or
 US-5419913-\$ or US-5444171-\$ or
 US-5444272-\$ or US-5461141-\$ or
 US-5477164-\$ or US-5486779-\$ or
 US-5498114-\$ or US-5525114-\$ or
 US-5528019-\$ or US-5543119-\$ or
 US-5560941-\$ or US-5610415-\$ or
 US-5637819-\$ or US-5644181-\$ or
 US-5659115-\$ or US-5691166-\$).did. or
 (US-5124772-\$ or US-5202750-\$ or
 US-5210432-\$ or US-5245112-\$ or
 US-5283054-\$ or US-5304111-\$ or
 US-5306910-\$ or US-5336107-\$ or
 US-5365477-\$ or US-5371135-\$ or
 US-5379913-\$ or US-5461114-\$ or
 US-5479942-\$ or US-5484136-\$ or
 US-5708135-\$ or US-5710445-\$ or
 US-5719413-\$ or US-5793066-\$ or
 US-5796114-\$ or US-5844158-\$ or
 US-5894149-\$ or US-5921068-\$ or
 US-5936267-\$ or US-6020623-\$ or
 US-6054729-\$ or US-RE36318-\$ or
 US-6107649-\$).did. or (US-6111278-\$ or
 US-6111280-\$ or US-6169299-\$ or
 US-6198119-\$ or US-6218217-\$ or
 US-6271545-\$ or US-6278140-\$ or
 US-6313435-\$ or US-4032158-\$ or
 US-4053921-\$ or US-4062031-\$ or
 US-4337712-\$ or US-4470036-\$).did. or
 (US-20010005024-\$ or
 US-20020124056-\$).did. or (JP-06061479-\$
 or JP-06151825-\$ or JP-01170352-\$ or
 JP-02296170-\$ or JP-03070176-\$ or
 JP-03118774-\$ or JP-04210775-\$ or
 JP-04317175-\$ or JP-04350875-\$).did.) and
 (block\$3 or buffer or stop\$4) adj (region
 or film or layer) and ionization

USEPAT; 2002/05/01
 US-PGPUB; 20:34
 EPO; JPO;
 DERWENT;
 IBM_TDB

1 US-4717940-\$ or US-4760431-\$ or
 US-RE32784-\$ or US-4851899-\$ or
 US-4914496-\$ or US-4961972-\$ or
 US-5165211-\$ or US-5067704-\$ or
 US-5281011-\$ or US-5401985-\$ or
 US-5429461-\$ or US-5444171-\$ or
 US-5444172-\$ or US-5461142-\$ or
 US-5477164-\$ or US-5486709-\$ or
 US-5498184-\$ or US-5521116-\$ or
 US-5528188-\$ or US-5543039-\$ or
 US-5563141-\$ or US-5611415-\$ or
 US-5637188-\$ or US-5644150-\$ or
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 US-5124772-\$ or US-5211750-\$ or
 US-5310432-\$ or US-5141103-\$ or
 US-5333164-\$ or US-5303121-\$ or
 US-5306360-\$ or US-5336007-\$ or
 US-5365477-\$ or US-5371185-\$ or
 US-5379103-\$ or US-5461114-\$ or
 US-5479186-\$ or US-5484106-\$ or
 US-5705125-\$ or US-5711445-\$ or
 US-5719413-\$ or US-5793066-\$ or
 US-5796124-\$ or US-5844158-\$ or
 US-5844149-\$ or US-5921103-\$ or
 US-5936167-\$ or US-6023623-\$ or
 US-6054708-\$ or US-RE36818-\$ or
 US-6107449-\$).did. or US-6111278-\$ or
 US-6111290-\$ or US-6163099-\$ or
 US-6199115-\$ or US-6211217-\$ or
 US-6271545-\$ or US-6271140-\$ or
 US-6313485-\$ or US-4052959-\$ or
 US-4053901-\$ or US-4063032-\$ or
 US-3337782-\$ or US-3471036-\$).did. or
 US-33610001024-\$ or
 US-30020024056-\$).did. or (JP-06061479-\$
 or JP-06151325-\$ or JP-01270352-\$ or
 JP-02296170-\$ or JP-03070176-\$ or
 JP-03116874-\$ or JP-04240775-\$ or
 JP-04317375-\$ or JP-04357975-\$).did.) and
 (block\$3 or buffer or stop\$4) adj (region
 or film or layer) and (energy adj level
 or band adj2 gap)

USPAT; 2002/05/01
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 US-5199966-\$ or US-5204306-\$ or
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 US-4053921-\$ or US-4063932-\$ or
 US-3337782-\$ or US-3470036-\$).did. or
 US-20010005024-\$ or
 US-20129024056-\$).did. or (JP-06061479-\$
 or JP-06151825-\$ or JP-01270352-\$ or
 JP-02296370-\$ or JP-03060176-\$ or
 JP-03116874-\$ or JP-04240775-\$ or
 JP-04317375-\$ or JP-04347875-\$).did.) and
 (block\$3 or buffer or stop\$4) adj (region
 or film or layer) near2J indium or
 tellurium or selenium of sulfur or in or
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USPAT; 2002/05/01
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 or JP-06151925-\$ or JP-01270352-\$ or
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 JP-03116274-\$ or JP-04240775-\$ or
 JP-04317375-\$ or JP-04357975-\$.did.) and
 (block\$3 or buffer or stop\$4) adj (region
 or film or layer) and (indium or
 tellurium or selenium of sulfur or in or
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 US-6271545-\$ or US-6278150-\$ or
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 US-4053921-\$ or US-4062732-\$ or
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 or JP-06151825-\$ or JP-01270352-\$ or
 JP-01296370-\$ or JP-03071176-\$ or
 JP-03116274-\$ or JP-04241775-\$ or
 JP-04317375-\$ or JP-04357875-\$).did.) and
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 US-6054723-\$ or US-RE26817-\$ or
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 US-6111290-\$ or US-6169294-\$ or
 US-6199115-\$ or US-6217017-\$ or
 US-6271549-\$ or US-6278140-\$ or
 US-6313485-\$ or US-4022058-\$ or
 US-4053901-\$ or US-4060030-\$ or
 US-3537782-\$ or US-3470934-\$).did. or
 US-20010905024-\$ or
 US-20020024056-\$).did. or (JP-06061479-\$
 or JP-04151825-\$ or JP-01270352-\$ or
 JP-02294770-\$ or JP-03073176-\$ or
 JP-03114974-\$ or JP-01240775-\$ or
 JP-04317375-\$ or JP-04367775-\$).did.) and
 (block\$3 or buffer or stop\$4) adj (region
 or :ilm or layer) and (band near2 gap)

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 US-PGPUB; 20:50
 EPO; JPO;
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 IBM_TDB

-	1	((US-4717440-\$ or US-4760431-\$ or US-RE32784-\$ or US-4851879-\$ or US-4914436-\$ or US-4963972-\$ or US-5065211-\$ or US-5068773-\$ or US-5391025-\$ or US-5401973-\$ or US-5423957-\$ or US-5441271-\$ or US-5444372-\$ or US-5461731-\$ or US-5477441-\$ or US-5490719-\$ or US-5493284-\$ or US-5501214-\$ or US-5529152-\$ or US-5543639-\$ or US-5569941-\$ or US-5581645-\$ or US-5637383-\$ or US-5641190-\$ or US-5650185-\$ or US-5691746-\$).did. or (US-5124772-\$ or US-5131750-\$ or US-5210432-\$ or US-5246290-\$ or US-5283654-\$ or US-5304731-\$ or US-5326430-\$ or US-5326907-\$ or US-5365477-\$ or US-5371285-\$ or US-5378903-\$ or US-5461414-\$ or US-5479946-\$ or US-5484306-\$ or US-5705835-\$ or US-5719445-\$ or US-5719413-\$ or US-5743066-\$ or US-5756124-\$ or US-5844759-\$ or US-5894149-\$ or US-5923055-\$ or US-5936267-\$ or US-6020673-\$ or US-6054728-\$ or US-RE36818-\$ or US-6107649-\$).did. or (US-6111273-\$ or US-6111296-\$ or US-6160299-\$ or US-6198115-\$ or US-6219217-\$ or US-6271545-\$ or US-6278140-\$ or US-6313485-\$ or US-632358-\$ or US-6053901-\$ or US-6463030-\$ or US-6337782-\$ or US-6473036-\$).did. or (US-20010605024-\$ or US-20020004056-\$).did. or (JP-06061479-\$ or JP-06151825-\$ or JP-01270352-\$ or JP-0226370-\$ or JP-03074176-\$ or JP-03116874-\$ or JP-04247775-\$ or JP-04317375-\$ or JP-04387875-\$).did.) and (block\$3 or buffer or stop\$4) adj (region or film or layer) and energy adj level	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TIB	2002/05/01 21:51
-	457	foreign adj atom	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TIB	2002/05/02 09:36
-	58	foreign adj atom and 257/36.cols.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TIB	2002/05/02 09:37
-	3447	stop\$4 adj (zone or region or layer or film) and 257/36.cols.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TIB	2002/05/02 09:40
-	2240	(stop or stopping) adj (zone or region or layer or film) and 257/36.cols.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TIB	2002/05/02 09:41
-	30	(stop or stopping) adj zone and 257/36.cols.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TIB	2002/05/02 11:37
-	8	(stop or stopping) adj zone and 257/36.cols. and thyristor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TIB	2002/05/02 09:44

77 (US-5661314-\$ or US-5679966-\$ or
 US-5684306-\$ or US-5705831-\$ or
 US-5710445-\$ or US-5719414-\$ or
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 US-5477064-\$ or US-5486700-\$ or
 US-5493884-\$ or US-5525216-\$ or
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 US-5371385-\$ or US-5565477-\$ or
 US-5677988-\$ or US-5644186-\$ or
 US-5659186-\$ or US-5401985-\$ or
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 US-5124772-\$ or US-5091760-\$ or
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 US-4963972-\$ or US-4914494-\$ or
 US-4851989-\$ or US-RE32794-\$ or
 US-4760431-\$ or US-4717341-\$ or
 US-4062032-\$ or US-4053321-\$ or
 US-4033958-\$ or US-3470036-\$ or
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 (US-20010005024-\$ or
 US-20020024056-\$).did. or (JP-06151825-\$
 or JP-06061173-\$ or JP-04357875-\$ or
 JP-04317375-\$ or JP-04243775-\$ or
 JP-03116874-\$ or JP-03078176-\$ or
 JP-02296370-\$ or JP-01270352-\$).did.

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 US-5610432-\$ or US-5602750-\$ or
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 (US-26710005024-\$ or
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 or JP-06061479-\$ or JP-04357875-\$ or
 JP-04317375-\$ or JP-04240775-\$ or
 JP-04116874-\$ or JP-93070176-\$ or
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 or JP-06061479-\$ or JP-84357875-\$ or
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 JP-05116874-\$ or JP-03070176-\$ or
 JP-02296370-\$ or JP-01270352-\$).did.) and
 ((dep\$3 or impurit\$3 or donor or
 acceptor) near12 (carbon or c or titanium
 or ta or se or selenium or or or chromium
 or ta or tantalum or cs or cesium or ba
 or barium or sulfur or s or manganese or
 mn or pt or platinum or au or gold or
 silver or ag)).

3 ("3953243").PN.

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 or JP-06061473-\$ or JP-03357875-\$ or
 JP-04317375-\$ or JP-04340775-\$ or
 JP-03116874-\$ or JP-03073176-\$ or
 JP-02296370-\$ or JP-01373352-\$).did.) and
 ((barium or cesium) near12 (dop\$3 or
 impurit\$3)) near12 thyristor)

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 US-PGPUB; 13:26
 JPO

-	3	(US-5661314-\$ or US-5679966-\$ or US-5684396-\$ or US-5705935-\$ or US-5710445-\$ or US-5719413-\$ or US-5793066-\$ or US-5796124-\$ or US-5844255-\$ or US-5844149-\$ or US-5803065-\$ or US-5846267-\$ or US-6000625-\$ or US-6034738-\$ or US-RE36812-\$ or US-6137649-\$ or US-6111373-\$ or US-6111390-\$ or US-6169294-\$ or US-6193115-\$ or US-6219317-\$ or US-6271545-\$ or US-6279140-\$ or US-6313485-\$ or US-5444271-\$ or US-5444272-\$).did. or (US-5443659-\$ or US-5459941-\$ or US-5460415-\$ or US-5461392-\$ or US-5477064-\$ or US-5496709-\$ or US-5498994-\$ or US-5535816-\$ or US-5528058-\$ or US-5378903-\$ or US-5371395-\$ or US-5365477-\$ or US-5337998-\$ or US-5444150-\$ or US-5459185-\$ or US-5491985-\$ or US-5336907-\$ or US-5391025-\$ or US-5409953-\$ or US-5394821-\$ or US-5293054-\$ or US-5245303-\$ or US-5210430-\$ or US-5202750-\$ or US-5124772-\$ or US-5091765-\$ or US-5068704-\$).did. or (US-5065211-\$ or US-4963972-\$ or US-4914496-\$ or US-4851994-\$ or US-RE32784-\$ or US-4760431-\$ or US-4717440-\$ or US-4062032-\$ or US-4053021-\$ or US-4073953-\$ or US-3470936-\$ or US-3337792-\$ or US-5306730-\$).did. or (US-20019005024-\$ or US-20021924056-\$).did. or (JP-06151825-\$ or JP-06061473-\$ or JP-04357875-\$ or JP-04317375-\$ or JP-04249775-\$ or JP-03116974-\$ or JP-03070176-\$ or JP-02296370-\$ or JP-91270352-\$).did.) and (silicon adj substrate near12 thyristor)	USPAT; US-PGPUB; JPO	2002/05/02 14:32
-	2	("6043112").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 14:33
-	2	("6043112").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 15:27
-	1421	emitter and igbt and power and switching	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 15:28
-	40	emitter adj region and igbt.ti,ab. and power adj2 device and switching	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 15:29